ZJ-Body Jeep Grand Cherokee:
Typical Customer View (of Fuel Tank)

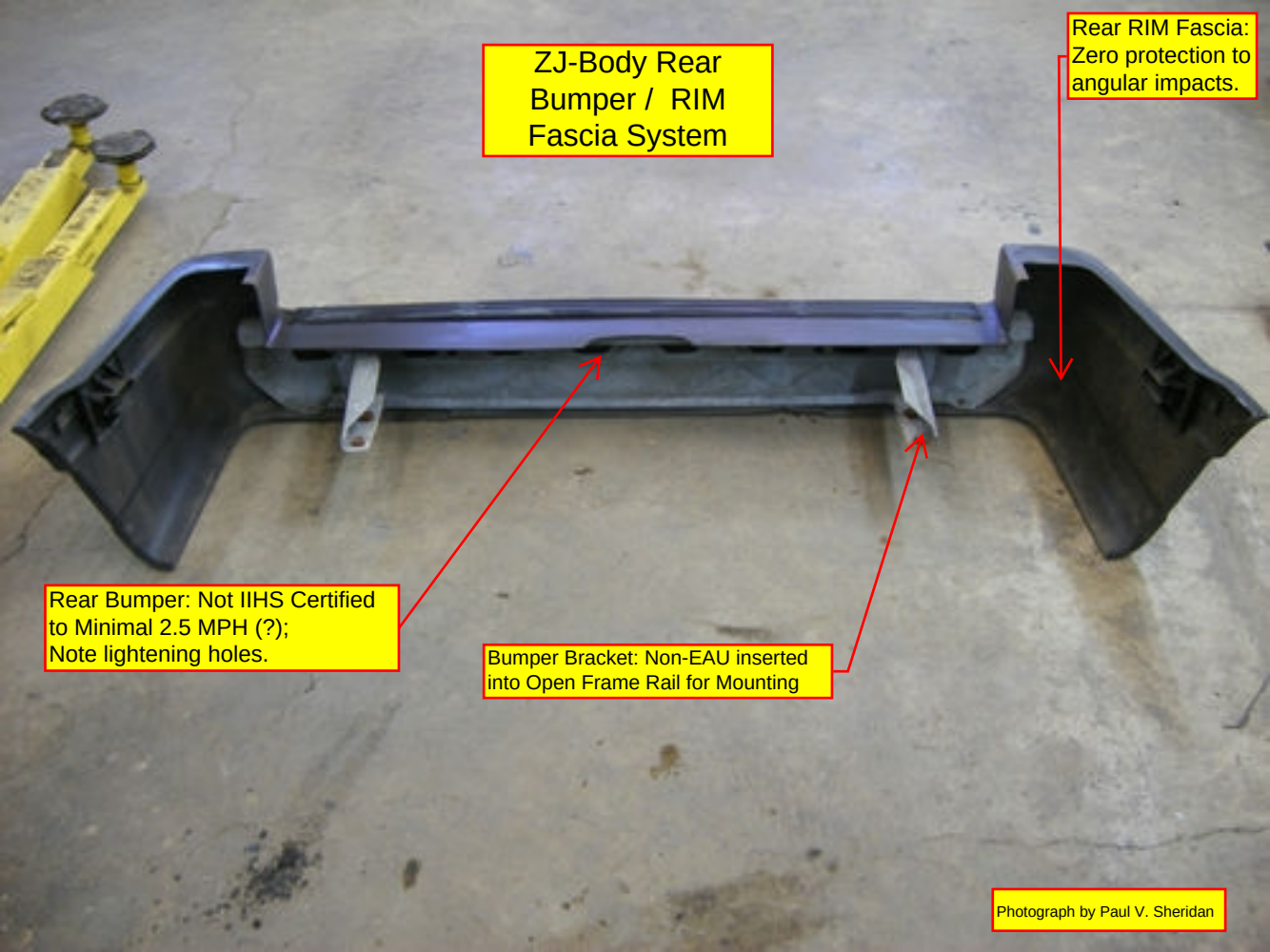
ZJ-Body Jeep Grand Cherokee:

What Showroom Customer Would See if Fuel Tank was <u>not</u> color-matched to rear underbody / rear suspension components.

Approximate Lower Edge of "bumper," leaving over seven inches of fuel tank unprotected from direct or underride impact.
Open-ended frame rail where bumper bracket is inserted for mounting.
Unprotected Polyethylene fuel tank
Photograph by Paul V. Sheridan
NEW YORK
THE EMPIRE STATE
STAHLS'
DERBY, CONN.
Jeep
THE HOME DEPOT
HOME OF THE FINEST PAINTS
SKU# 611-269

Upper edge of "structure" at approximately 21.25 inches, which leaves over 7 inches of unprotected fuel tank; unprotected from/during up to 270 degrees of impact angles.
Approximate Lower edge of bumper
Tire Size: LT235/75R15
Distorted slightly by camera angle, lower portion of polyethylene fuel tank (for this vehicle) at approximately 14 inches above ground (when vehicle suspension is not burdened).
Photograph by Paul V. Sheridan
THE HOME DEPOT
HOME OF THE FINEST PAINTS
SKU# 611-269
EXTRA GRIP
RADIAL
GOODYEAR
LT235/75R15

ZJ-Body Rear Fuel Tank Fill Layout Underside View : fuel tank removed.
Frame Rail Hole for Fuel Tank Filler / Vent Hose for pass-through to Fuel Tank.
Left Side (inner surface) of Driver's Side Rear RIM Fascia.
Photograph by Karco Engineering


ZJ-Body Rear Bumper / RIM Fascia System
Rear RIM Fascia: Zero protection to angular impacts.
Rear Bumper: Not IIHS Certified to Minimal 2.5 MPH (?); Note lightening holes.
Bumper Bracket: Non-EAU inserted into Open Frame Rail for Mounting
Photograph by Paul V. Sheridan

ZJ-Body Rear "Structure" / Bumper Fuel Tank Protection Performance Post Real World 40mph Impact.
Rear Bumper with lightening holes. High location of lower edge does not provide any direct impact protection for lower 7+ inches of polyethylene fuel tank. RIM Fascia covering exacerbates false impression of crash protection.
Photograph by Karco Engineering

ZJ-Body Jeep Grand Cherokee Unprotected Fuel Tank System

Real World Performance of Rear "Structure" and Bumper :
Post 40mph impact test.

Photograph by Paul V. Sheridan